UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

CURRENT REPORT Pursuant to Section 13 or 15(d)

of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): November 12, 2014

LANTHEUS MEDICAL IMAGING, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation) 333-169785 (Commission File Number) 51-0396366 (IRS Employer Identification No.)

331 Treble Cove Road, North Billerica, MA 01862 (Address of principal executive offices) (Zip code)

Registrant's telephone number, including area code: (978) 671-8001

Not Applicable (Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following
provisions (see General Instruction A.2. below):

Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02. Results of Operations and Financial Condition.

On November 12, 2014, Lantheus Medical Imaging, Inc. (the "Company") announced via press release its financial results as of and for the three and nine months ended September 30, 2014. A copy of that press release is being furnished as Exhibit 99.1 and is hereby incorporated by reference.

The information furnished pursuant to this Item 2.02, including Exhibit 99.1, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities under that Section and shall not be deemed to be incorporated by reference into any filing of the Company under the Securities Act of 1933, as amended, or the Exchange Act.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

 Exhibit
 No.
 Description

99.1* Press release of Lantheus Medical Imaging, Inc. dated November 12, 2014, announcing its financial results as of and for the three and nine months ended September 30, 2014.

* Exhibit 99.1 attached hereto is being furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section, nor shall such information be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, except as shall be expressly set forth by specific reference in such filing.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

LANTHEUS MEDICAL IMAGING, INC.

By: /s/ Michael P. Duffy

Name: Michael P. Duffy

Title: Vice President and General Counsel

Date: November 12, 2014

EXHIBIT INDEX

Exhibit	
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331 Treble Cove Road North Billerica, MA 01862 800.362.2668 www.lantheus.com

FOR RELEASE 4:00 PM EASTERN WEDNESDAY, NOVEMBER 12, 2014

CONTACTS:

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Lantheus Medical Imaging Reports Third Quarter 2014 Financial Results

Worldwide revenue grows 8% led by continued strong performance of DEFINITY®

Adjusted EBITDA increases by 60%; Company posts positive quarterly net income on continued gross margin expansion and operating expense leverage

No. BILLERICA, Mass. (November 12, 2014) – Lantheus Medical Imaging, Inc. ("Lantheus" or "the Company"), a wholly-owned operating subsidiary of parent company Lantheus MI Intermediate, Inc. and a global leader in developing, manufacturing, selling and distributing innovative diagnostic imaging agents, today reported its financial results for the third quarter ended September 30, 2014.

Worldwide revenue for the third quarter of 2014 totaled \$75.7 million, representing an 8% increase on both an as-reported and constant-currency basis over \$70.4 million reported for the third quarter of 2013.

The Company achieved quarterly GAAP-earnings profitability during the third quarter of 2014 with net income totaling \$1.5 million, an improvement of \$16.6 million over the net loss of \$15.1 million reported for the third quarter of 2013. Net loss for the year-ago quarter included a \$6.8 million charge for the write-down of land that was subsequently sold. Excluding the impact of that special charge, adjusted third quarter net results improved by \$9.7 million over the year-ago period. The attached financial tables include a reconciliation of U.S. GAAP to non-GAAP results.

The Company's third quarter 2014 Adjusted EBITDA, as defined in the GAAP to non-GAAP reconciliation provided later in this release, totaled \$19.1 million, or 25.2% of reported revenue, compared to \$11.9 million, or 16.9% of revenue, in the third quarter of 2013.

Jeff Bailey, President and CEO commented, "We are very pleased with our third quarter performance and the Company's continued demonstration of solid sales growth and strong margin expansion. As has been the case for several quarters, our results for the third quarter benefited from the strong sales performance of DEFINITY, reflecting continued growth of the U.S. ultrasound contrast market and our own product leadership position. DEFINITY achieved growth of 20% over the year-ago quarter and once again grew sequentially, while the rest of our product portfolio delivered a solid quarterly performance, as well"

Mr. Bailey continued, "Overall, our third quarter revenue growth combined with continued gross margin improvement and the leveraging of our operating expenses has significantly expanded our operating and Adjusted EBITDA margins since last year, driving those margins to 15% and 25%, respectively, of reported revenue for the third quarter. The success of our ongoing financial and operational transformation that began seven quarters ago continues to grow increasingly apparent as we progress through 2014. We look forward to completing this seminal year for our business and the opportunities that await us in 2015 and beyond."

Conference Call

As previously announced, the Company will host a conference call starting at 4:30 p.m. (Eastern Time) today. To access the live conference call via telephone, please dial 1-877-299-4454 (U.S. callers) or 1-617-597-5447 (international callers) and provide passcode 59235085. A live audio webcast of the call also will be available on the homepage of the Company's website at www.lantheus.com. A replay of the telephone conference call and audio webcast will be available from approximately 8:30 p.m. ET on November 12, 2014 through midnight on November 26, 2014. To access a replay of the conference call, dial 1-888-286-8010 (U.S. callers) or 1-617-801-6888 (international callers), and provide passcode 99456277. A replay of this conference call will also be available in the Investor Relations section of our website located at www.lantheus.com.

The conference call may include a discussion of non-GAAP financial measures. Reference is made to the most directly comparable GAAP financial measures, the reconciliation of the differences between the two financial measures, and the other information included in this press release, our Form 8-K filed with the SEC today, or otherwise available in the Investor Relations section of our website located at www.lantheus.com.

Non-GAAP Financial Measures

The Company uses non-GAAP financial measures, such as net sales excluding the impact of foreign currency, net income, as adjusted, EBITDA and Adjusted EBITDA. The Company's management believes that the presentation of these measures provides useful information to investors. These measures may assist investors in evaluating the Company's operations, period over period. The measures may exclude such items which may be highly variable,

difficult to predict and of a size that could have substantial impact on the Company's reported results of operations for a period. Management uses these and other non-GAAP measures internally for evaluation of the performance of the business, including the allocation of resources and the evaluation of results relative to employee performance compensation targets. Investors should consider these non-GAAP measures only as a supplement to, not as a substitute for or as superior to, measures of financial performance prepared in accordance with GAAP.

Safe Harbor for Forward-Looking and Cautionary Statements

This press release contains forward-looking statements. Such forward-looking statements are subject to risks and uncertainties that may be described from time to time in the Company's filings with the Securities and Exchange Commission. Readers are cautioned not to place undue reliance on the forward-looking statements contained herein, which speak only as of the date hereof. The Company undertakes no obligation to publicly update any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by law.

About Lantheus Medical Imaging, Inc. and Lantheus MI Intermediate, Inc.

Lantheus Medical Imaging, Inc., a wholly-owned operating subsidiary of parent company, Lantheus MI Intermediate, Inc., is a global leader in developing, manufacturing, selling and distributing innovative diagnostic imaging agents. Lantheus provides a broad portfolio of products, which are primarily used for the diagnosis of cardiovascular diseases. Key products include the echocardiography contrast agent DEFINITY® Vial for (Perflutren Lipid Microsphere) Injectable Suspension; TechneLite® (Technetium Tc99m Generator), a technetium-based generator that provides the essential medical isotope used in nuclear medicine procedures; and Xenon (Xenon Xe 133 Gas), an inhaled radiopharmaceutical imaging agent used to evaluate pulmonary function and for imaging the lungs.

Lantheus has more than 500 employees worldwide with headquarters in North Billerica, Massachusetts, and offices in Puerto Rico, Canada and Australia.

- Tables Follow -

Condensed Consolidated Statements of Operations

	Three Mor Septem		Nine Mon Septem	
	2014	2013	2014	2013
Revenues	\$ 75,682	\$ 70,385	\$224,631	\$212,004
Cost of goods sold	44,044	46,664	131,873	144,524
Gross profit	31,638	23,721	92,758	67,480
Operating expenses:				
Sales and marketing expenses	8,327	8,476	27,227	27,266
General and administrative expenses	8,722	7,132	26,564	25,678
Research and development expenses	3,049	5,893	8,958	25,428
Impairment of land		6,788		6,788
Total operating expenses	20,098	28,289	62,749	85,160
Operating income (loss)	11,540	(4,568)	30,009	(17,680)
Interest expense, net	(10,585)	(11,035)	(31,704)	(32,323)
Other income (expense), net	441	260	(148)	894
Income (loss) before income taxes	1,396	(15,343)	(1,843)	(49,109)
Provision (benefit) for income taxes	(56)	(279)	(374)	267
Net income (loss)	\$ 1,452	\$(15,064)	\$ (1,469)	\$ (49,376)

Consolidated Sales Analysis

	Three Months Ended September 30,				ne Months End September 30,	
***	2014	2013	% change	2014	2013	% change
<u>U.S.</u>						
DEFINITY	23,764	19,758	20.3%	68,768	54,796	25.5%
TechneLite	20,879	19,351	7.9%	61,602	61,064	0.9%
Xenon	8,914	8,173	9.1%	27,519	24,117	14.1%
Cardiolite	888	462	92.2%	1,915	7,324	(73.9)%
Other	4,984	4,260	<u>17.0</u> %	15,004	11,189	34.1%
Total U.S.	\$59,429	\$52,004	14.3%	\$174,808	\$158,490	10.3%
<u>International</u>						
DEFINITY	497	403	23.3%	1,368	1,136	20.4%
TechneLite	2,733	3,071	(11.0)%	8,576	9,039	(5.1)%
Xenon	2	9	(77.8)%	6	34	(82.4)%
Cardiolite	3,785	4,178	(9.4)%	12,250	13,415	(8.7)%
Other	9,236	10,720	(13.8)%	27,623	29,890	(7.6)%
Total International	\$16,253	\$18,381	(11.6)%	\$ 49,823	\$ 53,514	(6.9)%
Worldwide						
DEFINITY	24,261	20,161	20.3%	70,136	55,932	25.4%
TechneLite	23,612	22,422	5.3%	70,178	70,103	0.1%
Xenon	8,916	8,182	9.0%	27,525	24,151	14.0%
Cardiolite	4,673	4,640	0.7%	14,165	20,739	(31.7)%
Other	14,220	14,980	(5.1)%	42,627	41,079	3.8%
Total Revenues	\$75,682	\$70,385	7.5%	\$224,631	\$212,004	6.0%

Supplemental Sales Information

(unaudited)

September 30, 2014 Quarter-to-Date Sales Growth/(Decline) Domestic As Total As Int'l Constant Int'l As **Total Constant** Reported Currency Reported Currency Reported Products DEFINITY 20% 26% 23% 20% 20% TechneLite 8% (11)% 6% 5% (8)% Xenon 9% (78)% (78)% 9% 9% Cardiolite 92% (9)% 3% 1% (7)% Other <u>17</u>% (12)% (14)% (4)% (5)% **Total Revenues** 14% (10)% (12)% 8% 8%

	September 30, 2014 Year-to-Date Sales Growth/(Decline)						
	Domestic As	Int'l Constant	Int'l As	Total Constant	Total As		
	Reported	Currency	Reported	Currency	Reported		
<u>Products</u>							
DEFINITY	25%	29%	20%	26%	25%		
TechneLite	1%	0%	(5)%	1%	0%		
Xenon	14%	(85)%	(82)%	14%	14%		
Cardiolite	(74)%	(4)%	(9)%	(29)%	(32)%		
Other	<u>34</u> %	(3)%	(8)%	<u>7</u> %	4%		
Total Revenues	<u>10</u> %	(2)%	<u>(7</u>)%	<u>7</u> %	<u>6</u> %		

Reconciliation of Net Sales to Net Sales Excluding the Impact of Foreign Currency

	Three Mont September		Nine Months Ended September 30, 2014		
	International Net Sales	Total Net Sales	International Net Sales	Total Net Sales	
Net sales, as reported	\$ 16,253	\$75,682	\$ 49,823	\$224,631	
Currency impact as compared to prior period	348	348	2,491	2,491	
Net sales, excluding the impact of foreign currency	\$ 16,601	\$76,030	\$ 52,314	\$227,122	

Reconciliation of As Reported Results to Non-GAAP Financial Measures

		Three Months Ended September 30,		ths Ended ber 30,
	2014	2013	2014	2013
Net Income (loss)				
Net income (loss), as reported	\$1,452	\$(15,064)	\$(1,469)	\$(49,376)
Reconciling items impacting Operating Expenses:				
Impairment of land		6,788		6,788
Net income (loss), as adjusted	<u>\$1,452</u>	\$ (8,276)	\$(1,469)	\$(42,588)
Net income (loss), as adjusted, as a percentage of net sales	1.9%	(11.8)%	(0.7)%	(20.1)%

Reconciliation of As Reported Results to Non-GAAP Financial Measures

	Three Mor Septem		Nine Mon Septem	
	2014	2013	2014	2013
EBITDA				
Net income (loss), as reported	\$ 1,452	\$(15,064)	\$ (1,469)	\$(49,376)
Interest expense, net	10,585	11,035	31,704	32,323
Provision (benefit) for income taxes	(415)	(713)	(536)	(439)
Depreciation	2,163	2,343	6,514	7,115
Amortization of intangible assets	2,275	4,130	6,848	12,456
EBITDA	16,060	1,731	43,061	2,079
Reconciling items impacting EBITDA:				
Non-cash stock-based compensation	247	172	782	735
Legal fees relating to business interruption claim	462	165	927	552
Asset write-off	639	8,200	1,150	10,258
Severance and recruiting costs	211	478	512	4,969
Sponsor fee and other	263	259	772	1,197
New manufacturer costs	1,175	903	4,188	3,413
Adjusted EBITDA	\$19,057	\$ 11,908	\$51,392	\$ 23,203
Adjusted EBITDA as a percentage of net sales	25.2%	16.9%	22.9%	10.9%

Reconciliation of Free Cash Flow

	Three Months Ended				Nine Mon	ths End	ed	
	Sep	tember 30, 2014		ember 30, 2013	Sep	tember 30, 2014	Sep	tember 30, 2013
Net cash used in operating activities	\$	19,688	\$	4,291	\$	15,448	\$	(11,822)
Capital expenditures		(1,823)		(915)		(5,303)		(3,711)
Free cash flow	\$	17,865	\$	3,376	\$	10,145	\$	(15,533)

Condensed Consolidated Balance Sheets

	September 30, 2014	December 31, 2013	
Assets			
Current assets:			
Cash and cash equivalents	\$ 25,205	\$ 16,669	
Accounts receivable, net	41,160	38,910	
Inventory	16,425	18,310	
Income tax receivable	448	325	
Deferred tax assets	12	18	
Other current assets	4,181	3,087	
Total current assets	87,431	77,319	
Property, plant and equipment, net	96,072	97,653	
Capitalized software development costs, net	1,829	1,470	
Intangibles, net	29,203	34,998	
Goodwill	15,714	15,714	
Deferred financing costs	7,969	9,639	
Deferred tax assets	45	15	
Other long-term assets	19,791	22,577	
Total assets	\$ 258,054	\$ 259,385	
Liabilities and stockholder's deficit			
Current liabilities:			
Line of credit	\$ 8,000	\$ 8,000	
Accounts payable	15,383	18,103	
Accrued expenses and other liabilities	35,088	25,492	
Deferred tax liability	57	57	
Deferred revenue	1,063	3,979	
Total current liabilities	59,591	55,631	
Asset retirement obligation	7,244	6,385	
Long-term debt, net	399,220	399,037	
Deferred tax liability	8	12	
Other long-term liabilities	32,407	35,408	
Total liabilities	498,470	496,473	
Stockholder's deficit	(240,416)	(237,088)	
Total liabilities and stockholder's deficit	\$ 258,054	\$ 259,385	